

United States of America

DRAFT PROPOSAL FOR THE WORK OF THE CONFERENCE

Agenda Item 1.19: to consider regulatory provisions to avoid misapplication of the non-GSO FSS single-entry limits in Article 22 based on the results of ITU-R studies carried out in accordance with Resolution 135 (WRC-2000);

Background Information: WRC-2000 adopted, in Article 22, a combination of single-entry validation, operational and, for 3 and 10 meter antennas in the 10.7-12.75 GHz band, single-entry additional operational equivalent power flux-density (epfd) limits to be met by non-geostationary (non-GSO) fixed-satellite service (FSS) systems in order to protect GSO FSS and GSO broadcasting-satellite service (BSS) networks in parts of the frequency range 10.7-30 GHz. Misapplication of non-GSO FSS single-entry epfd limits could occur by artificially splitting or combining the number of transmit stations associated with a non-GSO FSS system. As stated in the Conference Preparatory Meeting (CPM) Report to WRC-2000, it was agreed that such misapplication would invalidate the entire basis of the derivation of the single-entry limits. Misapplication of these limits could:

- a) Cause excess interference into GSO networks;
- b) Reduce the number of non-GSO FSS systems that could be implemented in an allocated frequency band;
- c) Affect the regulatory requirements for a non-GSO FSS system in the ITU coordination notification process; and
- d) Affect non-GSO FSS systems that meet the single-entry limits in Article 22.

Resolution 135 (WRC-2000) was adopted for the purpose of conducting technical studies and considering regulatory procedures, in time for consideration by WRC-03, to ensure that there will not be any misapplication of limits in Tables 22-1 (epfd_↓), 22-2 (epfd_↑), and 22-3 (epfd_{is}) of Article 22. Further, Resolution 135 instructs the Director of the Radiocommunication Bureau to review and, if appropriate, revise as of the end of WRC-03, any finding previously made in respect of compliance with the limits contained in Article 22 for a non-GSO FSS system, for which notification information has been received on or after 22 November 1997. The Bureau's review and revision of findings is to be based on the studies undertaken by the ITU-R pursuant to Resolution 135 after WRC-2000.

Proposal:

ARTICLE 22

Space services¹

USA/ /1

NOC

Section II – Control of interference to geostationary-satellite systems

Reasons: The current Radio Regulations are adequate. There have been no apparent cases involving potential misapplication of the single-entry epfd limits nor technical studies to support new regulatory procedures.